

Claims

- [c1] 1.A device for remote monitoring of a user, comprising:
an operating module configured to be removably attachable to the user;
a sensor array configured to monitor at least one physiological parameter of the user; and
a drug delivery module containing a drug, controlled by the operating module;
the operating module receiving an input representative of the at least one physiological parameter of the user from the sensor array; whereby upon receiving the input beyond a desired value, the operating module activates the drug delivery module to deliver the drug to the user.
- [c2] 2.The device of claim 1, further including a radio transceiver.
- [c3] 3.The device of claim 2, further including a radio communication link
monitoring circuit;
the operating module configured to one of alarm and activate the drug delivery module to deliver the drug to the user if one of the communication link is lost for a desired interval and an activation command is received.
- [c4] 4.The device of claim 1, wherein the sensor array is configured to detect at least one of an unauthorized removal from the user and an attempted deactivation of the operating module.
- [c5] 5.The device of claim 1, further including an electrical shock module; the electrical shock module operable to deliver an electrical shock to the user.
- [c6] 6.The device of claim 1, wherein the drug and the desired dose is selected to immobilize the user.
- [c7] 7.The device of claim 6, wherein the drug contains one of sodium pentothal, propofol, mexo hetatol, etomidate and ketamine.
- [c8] 8.A system for remote monitoring of a user, comprising:
an armband removably attachable to the user;
the armband having a sensor array configured to monitor at least one physiological parameter of the user, a drug delivery module containing a drug,

an operating module receiving an input representative of the at least one physiological parameter of the user from the sensor array and transmitting it via a first radio transceiver; and
a console in wireless communication with the armband;
the console having a second radio transceiver in a communications link with the first radio transceiver and receiving the at least one physiological parameter of the user; the console having an alarm initiated if the physiological parameter of the user exceeds a desired value; an operator input at the console is operable to activate the drug delivery module, delivering the drug to the user.

[c9] 9.The system of claim 8, wherein the armband is a plurality of armbands; each of the plurality of armbands removably attached to a different user.

[c10] 10.The system of claim 9, wherein each of the plurality of armbands has a unique identifier and the communications link is a plurality of communications links between each of the plurality of armbands and the console.

[c11] 11.The system of claim 10, further including at least one radio gateway.

[c12] 12.The system of claim 11, wherein passage through the at least one radio gateway one of activates and deactivates the communications link with the console.

[c13] 13.The system of claim 11, wherein passage through the at least one radio gateway activates the drug delivery module, delivering the drug to the user.

[c14] 14.The system of claim 10, wherein the plurality of armbands are attached to occupants of a restricted space.

[c15] 15.A method for monitoring a user, comprising the steps of:
attaching an armband to the user; the armband having an operating module receiving at least one input from a sensor array configured to monitor at least one physiological parameter of the user; and a drug delivery module containing a drug, controlled by the operating module;
activating a communications link between the armband and a console; the console receiving data from the armband representing the at least one

physiological parameter of the user;
 initiating an alarm at the console if the at least one physiological parameter has a pre-selected value;
 transmitting a signal from the console to the armband; the signal activating the drug delivery module to deliver the drug to the user.

[c16] 16.The method of claim 15, further including the step of activating the drug delivery module if one of the communications link is lost for a time interval and an unauthorized removal of the armband from the user is detected by the sensor array.

[c17] 17.The method of claim 15, further including the step of establishing the communications link by passage of the armband through a radio gateway.

[c18] 18.The method of claim 17, further including the steps of capturing an image of the user upon passage through the radio gateway and displaying the image at the console when the alarm exists.

[c19] 19.The method of claim 18, further including the step of displaying user gender and seat assignment information with the image.

[c20] 20.The method of claim 15, further including the step of determining a desired drug dosage for the user prior to attaching the armband.